

#### FIG. 2

| ORDER<br>NUMBER | CUSTOMER<br>CODE | ORDERED<br>MODEL NAME | ORDER<br>VOLUME | DELIVERY<br>TIME |
|-----------------|------------------|-----------------------|-----------------|------------------|
| SR001           | CU_A             | M34100                | 3, 000          | 2002/10/12       |
| SR002           | CU_B             | M34200                | 2,000           | 2002/10/13       |
| SR003           | CU_C             | M34100                | 3,000           | 2002/10/13       |
| SR004           | CU_A             | M34100                | 4, 700          | 2002/10/14       |
| SR005           | CU_D             | M34100                | 4, 000          | 2002/10/18       |
| SR006           | CU_B             | M34200                | 1,000           | 2002/10/20       |
| :               |                  |                       |                 |                  |

### FIG. 3

| PRODUCTION<br>TYPE NAME | PRODUCTION<br>LINE | PRODUCTION<br>CAPACITY<br>(PIECES/DAY) | PRODUCT<br>YIELD<br>(%) | PRODUCTION<br>LEAD TIME<br>(DAYS) |
|-------------------------|--------------------|--|-------------------------|-----------------------------------|
| M34100_D1               | LINE_1             | 2, 000                                 | 90                      | 5                                 |
| M34100_D2               | LINE_2             | 3, 000                                 | 90                      | 5                                 |
| M34200_D1               | LINE_1             | 2, 000                                 | 95                      | 6                                 |
| M34200_D3               | LINE_3             | 1, 000                                 | 95                      | 6                                 |
| :                       |                    |  |                         |                                   |

# FIG. 4

| PRODUCTION LINE | CEASE<br>START | CEASE<br>END |
|-----------------|----------------|--------------|
| LINE_1          | 2002/10/14     | 2002/10/17   |
|                 |                |              |

### FIG. 5

| CUSTOMER | PRODUCTION | SCHEDULED AUTHENTICATION ACQUIRING COMPLETION DATA | AUTHENTICATED |
|----------|------------|--|---------------|
| CODE     | TYPE NAME  |  | LINE          |
| CU_D     | M34100_D2  | 2002/10/12   | LINE_2        |

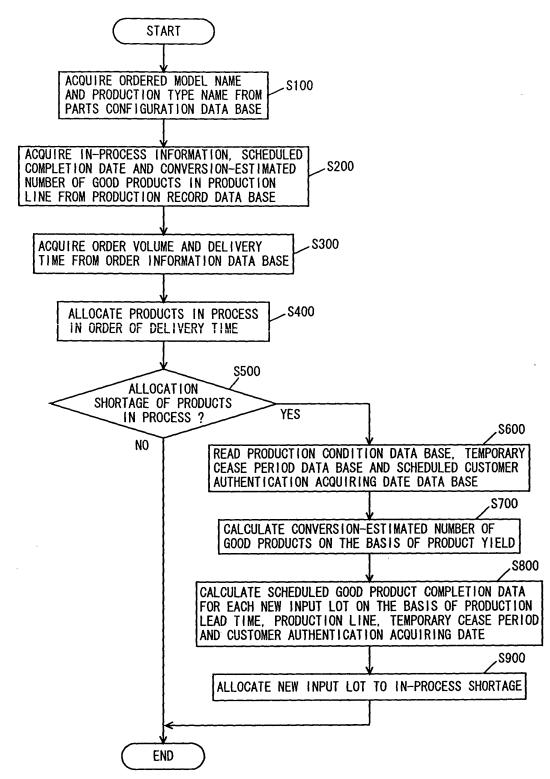
## FIG. 6

| ORDERED<br>MODEL NAME | USAGE<br>PRIORITY | PRODUCTION<br>TYPE NAME |
|-----------------------|-------------------|-------------------------|
| M34100                | 01                | M34100_D1               |
| M34100                | 02                | M34100_D2               |
| M34200                | 01                | M34100_D1               |
| M34200                | 02                | M34100_D3               |
| :                     |                   | <u> </u>                |

F I G. 7

| PRODUCTION<br>TYPE NAME | PRODUCTION<br>NUMBER | _ <u>;;</u> | IN REMAINING VOLUME IN PE<br>DAYS PROCESS Y (DAYS) (PIECES) | VOLUME IN<br>PROCESS<br>(PIECES) | PRODUCT<br>YIELD<br>(%) | SION-ESTIMATED<br>OF GOOD<br>TS (PIECES) | SCHEDULED<br>COMPLETION<br>DATE |
|-------------------------|----------------------|-------------|---|----------------------------------|-------------------------|--|---------------------------------|
| M34100_D1               | L0T_01               | A30         | 3   | 1, 800                           | 90                      | 1, 620                                   | 2002/10/12                      |
| M34100_D1               | L01_02               |             | 7   | 2, 000                           | 90                      | 1, 800                                   | 2002/10/13                      |
| M34100_D1               | L0T_03               | A40         | 2   | 2, 715                           | 95                      | 2, 580                                   | 2002/10/11                      |
| ••                      |                      |             |   |                                  |                         |  |                                 |

FIG. 8



NUMBER OF STARTING STUFF OF 2000 PIECES INPUTTED ON Oct. 9 NEW INPUT THE NUMBER OF STARTING
STUFF OF 2000 PIECES AND
A REMAINING DAYS THE NUMBER OF STARTING STUFF OF 1800 PIECES AND 3 REMAINING DAYS 5 DAYS AFTER Oct. 9: INITIAL DATE IN RECKONING AND TEMPORARY CEASE OF LINE DURING A PERIOD FROM Oct. 14 TILL Oct. LINE 1 y L CONVERSION-ESTIMATED CONVERSION - STIMATED C A10 4 DAYS AFTER Oct. 9 : INITIAL DATE IN RECKONING 3 DAYS AFTER Oct. 9
: INITIAL DATE IN RECKONING CONVERSION-ESTIMATED NUMBER OF GOOD PRODUCTS = 2000 × 0.9 CONVERSION-ESTIMATED NUMBER OF GOOD PRODUCTS = 1800 × 0.9 A20 A30 A40 A70 A60 A50 **PROCESS** PRODUCTION TYPE NAME CONVERSION-ESTIMATED NUMBER OF 1800 GOOD PRODUCTS AND SCHEDULED 4 DELIVERY TIME ON COOL 13, 02 CONVERSION-ESTIMATED (NUMBER OF 1620 GOOD FRODUCTS AND SCHEDULED (12, 02 COT) (12, 02 COT) 2000 GOOD PRODUCTS M34100 D1 A90 A80 **@** NAME 1620 GOOD PRODUCTS 3000 GOOD PRODUCTS AND DELIVERY TIME OF Oct. 13, 02 FROM CU\_C 3000 GOOD PRODUCTS
AND DELIVERY TIME
OF Oct. 12, 02
FROM CU\_A ORDERED MODEL SHI PINENT 1800 GOOD PRODUCTS 1800 GOOD PRODUCTS ত SROO1 WITH SROO3 WITH M34100 (a) 1380 GOOD PRODUCTS

F I G. 9

4